

YUJI TABATA

Software Engineer

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in yuji-tabata

EXPERIENCE

Software Engineer

SoftBank Corp.

📅 Month 2018 – Ongoing

📍 Tokyo, JAPAN

- Invented an NFC tag application framework targeted for big companies. I am leading a group of 10 people to introduce this framework into the SoftBank's corporate iOS app to improve the accessibility for the employees to the facilities in the office.
- Migrated GitLab, Kanboard (a Kanban tool), and other server software from on-premises servers to Google Cloud Platform. Adopted Kubernetes to maintain the infrastructure as code.
- Created a check-in system for SoftBank's company-owned buses to analyze their usage pattern. Employees scan their employee badge to the Android device situated at the entrance of the bus. This system had been operated for six months with 100 to 150 users per day on average.
- Developed a security software for employees of SoftBank, which monitors and sends the information about currently active windows on the Windows PCs. I was responsible for building the Windows application.
- Created a web dashboard for smart CCTVs. I made a heatmap component to overlay on the original footage to make congestions apparent.
- Demonstrated a cutting-edge web conferencing system which SoftBank had developed at a technology tradeshow in Cambridge, England.

Intern

Cyber Defence Institute, Inc.

📅 June 2017

📍 Tokyo, JAPAN

- Learned practical computer security and wrote a fuzzing tool for MQTT servers to find a security hole.

EDUCATION

M.S. in Information Science

Tohoku University

📅 Apr 2016 – Mar 2018

📍 Sendai, JAPAN

- Researched the safety of messaging protocols from the perspective of theoretical cryptography.
- Studied the mathematical foundation of modern cryptography.

B.E. in Computer Science

Tohoku University

📅 Apr 2012 – Mar 2016

📍 Sendai, JAPAN

- Researched the methodology to prove the semantics of functional programs.
- Studied the mathematical foundation of functional programming languages.

MESSAGE

I am a software engineer with a lot of 0 to 1 development experience. I am looking for an exciting job opportunity in Singapore.

SIDE PROJECTS



Bluetooth-Controlled Car

Control a toy car with your iPhone



NFC Candy Dispenser Machine

Scan an NFC tag to get candies



Mood Tracking App

Monitor your emotional cycle

PERSONAL HISTORY



Runner-up Best Attraction

Showcased my realtime strategy game at my high school's annual festival.



Survival in India for 2 Weeks

Robbed of everything on day 1 except for my passport and a flight ticket.



Shakespeare Company Japan

Performed as an actor in many places including Tokyo and tsunami-hit areas.

SKILLS

Project Leadership

System Design

GCP

Firebase

Docker

Kubernetes

Web

iOS

Android

Arduino

Linux

macOS

Windows

Spring

Django

Express

React

Swift

Kotlin

Java

Go

Python

TypeScript

JavaScript

C

C#

Rust

Shell

Lisp

Haskell

LANGUAGES

Japanese

● ● ● ● ●

English

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Mandarin

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